IFW

Docket No.

290167US0PCT

## IN THE UNRED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Karl KUHMANN, et al.

SERIAL NO:

10/580,194

GAU:

FILED:

May 23, 2006

**EXAMINER:** 

FOR:

**COOLANT LINE** 

# INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

#### REFERENCES

The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed
references are attached, where required, as are either statements of relevancy or any readily available English
translations of pertinent portions of any non-English language references.

A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

### **RELATED CASES**

Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.

☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

### CERTIFICATION

- Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- □ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

### **DEPOSIT ACCOUNT**

Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,

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Norman F. Oblon

Charles A. Wendel

Registration No. 24,453

Customer Number

22850

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LIST OF REFERENCES CITED BY APPLICANT			APPLICANT Karl KUHMANN, et al.					
				FILING DATE		GROUP		
				May 23, 2006		0.100		
	<u> </u>			U.S. PATENT DOCUMENTS				
EXAMINER	Ι	DOCUMENT			<del></del>	SUB	F	ILING DATE
INITIAL		NUMBER	DATE	NAME	CLASS	CLASS		PPROPRIATE
	AA	5,404,915	04/11/95	MUEGGE et al.				
	AB	5,313,987	05/24/94	ROEBER et al.	<u></u>			
	AC	5,500,263	03/19/96	ROEBER et al.				
	AD	5,512,342	04/30/96	ROEBER et al.				
	AE	5,554,426	09/10/96	ROEBER et al.				
	AF	5,858,492	01/12/99	ROEBER et al.				
	AG	5,798,048	08/25/98	RIES		-		
	АН	6,161,879	12/19/00	RIES et al.				
	Al	6,528,137	03/04/03	FRANOSCH et al.				
	AJ	6,680,093	01/20/04	RIES et al.				
	AK	6,090,459	07/18/00	JADAMUS et al.				
	AL	6,451,395	09/17/02	RIES, et al.				
		6,428,866	08/06/02					
	AM			JADAMUS et al.				
	AN	2002/0142118	10/03/02	SCHMITZ et al.	l			
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	AO							
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	AZ	Additional References sheet(s) attached				sheet(s) attached		
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conformance and not considered. Include copy of this form with next communication to applicant.								

Form PTO 1449 U.S. DETAILMENT OF COMMERCE PATENT ND TRADEMARK OFFICE		ATTY DOCKET NO.		SERIAL NO.				
(Modified)	16	PATENT ND TRADEMARK OFFICE 290167US0PCT			10/580,194			
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LIST OF	REFE	RENCES CITED BY AP	PLICANT	Karl KUHMANN, et al.				
				FILING DATE		GROUP		
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EXAMINER		DOCUMENT				SUB	FILING DATE	
INITIAL		NUMBER	DATE	NAME	CLASS	CLASS	IF APPROPRIATE	
	AAA	6,783,821	08/31/04	RIES et al.	<u> </u>		•	
	ABA	2003/0072987	04/17/03	RIES et al.				
	ACA	2003/0124281	07/03/03	RIES et al.				
	ADA	2004/0140668	07/22/04	MONSHEIMER et al.				
	AEA	2004/0202908	10/14/04	SCHMITZ et al.				
	AFA	7,025,842	04/11/06	MONSHEIMER et al.				
	AGA	2004/0265527	12/30/04	SCHMITZ et al.				
	AHA	2006/0083882	04/20/06	SCHMITZ et al.				
	AIA	2006/0078752	04/13/06	SCHMITZ et al.		,		
	AJA	2006/0099478	05/11/06	SCHMITZ et al.				
	AKA	2006/0141188	06/29/06	SCHMITZ et al.				
	ALA	6,335,101	01/01/02	HAEGER et al.				_
	AMA	2001/0018105	08/30/01	SCHMITZ et al.				
	ANA	6,355,358	03/12/02	BOEER et al.				_
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				FILING DATE		GROUP	
				May 23, 2006			
				U.S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
HATTIAL	AAB	6,793,997	09/21/04	SCHMITZ	<b></b>		
	ABB	6,579,581	06/17/03	BARTZ, et al.			
	ACB	6,677,015	01/13/04	HIMMELMANN, et al			•
	ADB	6,660,796	12/09/03	SCHUELER et al.	<u> </u>		
	AEB	6,407,182	06/18/02	MAUL et al.			
	AFB	6,391,982	05/21/02	HAEGER et al.			
	AGB	6,538,073	03/25/03	OENBRINK et al.			
	АНВ	6,726,999	04/27/04	SCHUELER et al.			
	AIB	2003/0212174	11/13/03	PEIRICK et al.	1		-
	AJB	6,766,091	07/20/04	BEUTH et al.	<b>†</b>		
	AKB	2006/0100323	05/11/06	SCHMIDT et al.			
	ALB				<b></b>		
	AMB				<del> </del>		1
	ANB				<u> </u>		
	7445		FO	REIGN PATENT DOCUMENTS			
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		DOCUMENT NUMBER	DATE	COUNTRY		YES	TRANSLATION S NO
	AQB						
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	ATB						
	AUB						
AVB							
OTHER REFERENCES (Ir			Including Author, Title, Date, Pertinen	t Pages, et	tc.)		
	AWB						
	AXB						
	AYB	•					
	AZB				Addi	tional Refe	rences sheet(s) attached
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conformance and not considered. Include copy of this form with next communication to applicant.							



Docket No.: 290167US0PCT

Serial No.: 10/580,194

Inventor: Karl KUHMANN, et al.

LIST OF RELATED CASES CITED BY APPLICANT UNDER 37 CFR 1.56

Filing Date: May 23, 2006

Group:

## LIST OF RELATED CASES

Examiner <u>Initial</u>	Docket No.	Serial or Patent	Filing or Issue	Patent App. Publication No.	Inventor or Applicant
mma	Docket 140.	Number	Date	<u> </u>	
•	0689-0377-0	5,404,915	04/11/95		MÜGGE, et al.
	0689-0394-0	5,313,987	05/24/94		RÖBER, et al.
	0689-0451-0	5,500,263	03/19/96		RÖBER, et al.
	0689-0454-0	5,512,342	04/30/96		RÖBER, et al.
	0689-0503-0	5,554,426	09/10/96		RÖBER, et al.
	0689-0591-0	08/609,612	03/01/96		JADAMUS, et al
	0689-0567-0	5,858,492	01/12/99		ROEBER, et al.
	0689-0595-0	5,798,048	08/25/98		RIES
	0689-0693-3	6,161,879	12/19/00		RIES, et al.
	0689-0692-0	6,528,137	03/04/03		FRANOSCH, et al.
	0689-0761-0	6,680,093	01/20/04		RIES, et al.
	0689-0591-0FWC	6,090,459	07/18/00	•	JADAMUS, et al.
	9350-0087-0	6,451,395	09/17/02		RIES, et al.
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	211217US0	10/024,386	12/21/01	US2002/0142118 A1	SCHMITZ, et al.
	213260US0	6,783,821	08/31/04		RIES, et al.
	222632US0	10/269,052	10/11/02	US2003/0072987 A1	RIES, et al.

<sup>\*</sup>Present Application; listed for information NFO/sbs

236706USO         10/670,528         09/26/03         US2004/0140668 AI         MONSHEIMER, et al.           245964USO         10/820,862         04/09/04         US2004/0202908         SCHMITZ, et al. AI           244646US6         7,025,842         04/11/06         MONSHEIMER, et al.           243915USOCONT         10/681,279         10/09/03         US2004/0265527         SCHMITZ, et al. AI           290167USOPCT*         10/580,194         05/23/06         KUHMANN, et al.         SCHMITZ, et al. AI           278180USO         11/240,493         10/03/05         US2006/0083882         SCHMITZ, et al. AI           278380USO         11/246,274         10/11/05         US2006/0078752         SCHMITZ, et al. AI           278614USO         11/246,276         10/11/05         US2006/0078752         SCHMITZ, et al. AI           286464USOCONT         11/357,971         02/22/06         US2006/0078752         SCHMITZ, et al. AI           195464USO         09/753,613         01/01/02         US2006/0141188         SCHMITZ, et al. AI           192058USO         6,355,358         03/12/02         BÖER, et al.           200723USO         6,579,581         06/17/03         BARTZ, et al.           213227USO         6,670,015         01/13/04         MAUL, et al.	230320US0	10/329,531	12/27/02	US2003/0124281 A1	RIES, et al.
244646US6         7,025,842         04/11/06         MONSHEIMER, et al.           243915US0CONT         10/681,279         10/09/03         US2004/0265527         SCHMITZ, et al. Al           290167US0PCT*         10/580,194         05/23/06         KUHMANN, et al.           293369US0PCT         10/588,487         08/04/06         SCHMITZ, et al.           278180US0         11/240,493         10/03/05         US2006/0083882         SCHMITZ, et al. Al           278614US0         11/246,274         10/11/05         US2006/0078752         SCHMITZ, et al. Al           286464US0CONT         11/357,971         02/22/06         US2006/0099478         SCHMITZ, et al. Al           195464US0         09/753,613         01/01/02         HAEGER, et al.           192058US0         6,355,358         03/12/02         BÖER, et al.           200723US0         6,793,997         09/21/04         SCHMITZ           201899US0         6,579,581         06/17/03         BARTZ, et al.           213227US0         6,660,796         12/09/03         MAUL, et al.           195554US0         6,407,182         06/18/02         MAUL, et al.           9350-0192-0         6,391,982         05/21/02         HAEGER, et al.           9350-0193-0	236706US0	10/670,528	09/26/03		· ·
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290167US0PCT*         10/580,194         05/23/06         KUHMANN, et al.           293369US0PCT         10/588,487         08/04/06         SCHMITZ, et al.           278180US0         11/240,493         10/03/05         US2006/0083882         SCHMITZ, et al. Al           278380US0         11/246,274         10/11/05         US2006/0078752         SCHMITZ, et al. Al           278614US0         11/246,206         10/11/05         US2006/0099478         SCHMITZ, et al. Al           286464US0CONT         11/357,971         02/22/06         US2006/0141188         SCHMITZ, et al. Al           9350-0148-0         6,335,101         01/01/02         HAEGER, et al.           192058US0         6,355,358         03/12/02         BÖER, et al.           200723US0         6,793,997         09/21/04         SCHMITZ           201899US0         6,579,581         06/17/03         BARTZ, et al.           213227US0         6,660,796         12/09/03         SCHUELER, et al.           213811US0         6,660,796         12/09/03         MAUL, et al.           9350-0192-0         6,391,982         05/21/02         MAUL, et al.           9350-0193-0         6,538,073         03/25/03         OENBRINK, et al.           225983US0         10/	244646US6	7,025,842	04/11/06		-
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9350-0148-0 6,335,101 01/01/02 HAEGER, et al.  195464US0 09/753,613 01/04/01 US2001/0018105 SCHMITZ, et al.  192058US0 6,355,358 03/12/02 BÖER, et al.  200723US0 6,793,997 09/21/04 SCHMITZ  201899US0 6,579,581 06/17/03 BARTZ, et al.  213227US0 6,677,015 01/13/04 HIMMELMANN, et al.  213811US0 6,660,796 12/09/03 SCHUELER, et al.  195554US0 6,407,182 06/18/02 MAUL, et al.  9350-0192-0 6,391,982 05/21/02 HAEGER, et al.  9350-0193-0 6,538,073 03/25/03 OENBRINK, et al.  212354US0 6,726,999 04/27/04 SCHUELER, et al.  225983US0 10/340,663 01/13/03 US2003/0212174 PEIRICK, et al.	278614US0	11/246,206	10/11/05		SCHMITZ, et al.
195464US0       09/753,613       01/04/01       US2001/0018105       SCHMITZ, et al.         192058US0       6,355,358       03/12/02       BÖER, et al.         200723US0       6,793,997       09/21/04       SCHMITZ         201899US0       6,579,581       06/17/03       BARTZ, et al.         213227US0       6,677,015       01/13/04       HIMMELMANN, et al.         213811US0       6,660,796       12/09/03       SCHUELER, et al.         195554US0       6,407,182       06/18/02       MAUL, et al.         9350-0192-0       6,391,982       05/21/02       HAEGER, et al.         9350-0193-0       6,538,073       03/25/03       OENBRINK, et al.         212354US0       6,726,999       04/27/04       SCHUELER, et al.         225983US0       10/340,663       01/13/03       US2003/0212174       PEIRICK, et al.	286464US0CONT	11/357,971	02/22/06		SCHMITZ, et al.
192058US0 6,355,358 03/12/02 BÖER, et al. 200723US0 6,793,997 09/21/04 SCHMITZ 201899US0 6,579,581 06/17/03 BARTZ, et al. 213227US0 6,677,015 01/13/04 HIMMELMANN, et al. 213811US0 6,660,796 12/09/03 SCHUELER, et al. 195554US0 6,407,182 06/18/02 MAUL, et al. 9350-0192-0 6,391,982 05/21/02 HAEGER, et al. 9350-0193-0 6,538,073 03/25/03 OENBRINK, et al. 212354US0 6,726,999 04/27/04 SCHUELER, et al. 225983US0 10/340,663 01/13/03 US2003/0212174 PEIRICK, et al.	9350-0148-0	6,335,101	01/01/02		HAEGER, et al.
200723US0       6,793,997       09/21/04       SCHMITZ         201899US0       6,579,581       06/17/03       BARTZ, et al.         213227US0       6,677,015       01/13/04       HIMMELMANN, et al.         213811US0       6,660,796       12/09/03       SCHUELER, et al.         195554US0       6,407,182       06/18/02       MAUL, et al.         9350-0192-0       6,391,982       05/21/02       HAEGER, et al.         9350-0193-0       6,538,073       03/25/03       OENBRINK, et al.         212354US0       6,726,999       04/27/04       SCHUELER, et al.         225983US0       10/340,663       01/13/03       US2003/0212174       PEIRICK, et al.	195464US0	09/753,613	01/04/01		SCHMITZ, et al.
201899US0       6,579,581       06/17/03       BARTZ, et al.         213227US0       6,677,015       01/13/04       HIMMELMANN, et al.         213811US0       6,660,796       12/09/03       SCHUELER, et al.         195554US0       6,407,182       06/18/02       MAUL, et al.         9350-0192-0       6,391,982       05/21/02       HAEGER, et al.         9350-0193-0       6,538,073       03/25/03       OENBRINK, et al.         212354US0       6,726,999       04/27/04       SCHUELER, et al.         225983US0       10/340,663       01/13/03       US2003/0212174       PEIRICK, et al.	192058US0	6,355,358	03/12/02		BÖER, et al.
213227US0       6,677,015       01/13/04       HIMMELMANN, et al.         213811US0       6,660,796       12/09/03       SCHUELER, et al.         195554US0       6,407,182       06/18/02       MAUL, et al.         9350-0192-0       6,391,982       05/21/02       HAEGER, et al.         9350-0193-0       6,538,073       03/25/03       OENBRINK, et al.         212354US0       6,726,999       04/27/04       SCHUELER, et al.         225983US0       10/340,663       01/13/03       US2003/0212174       PEIRICK, et al.	200723US0	6,793,997	09/21/04		SCHMITZ
et al.  213811US0 6,660,796 12/09/03 SCHUELER, et al.  195554US0 6,407,182 06/18/02 MAUL, et al.  9350-0192-0 6,391,982 05/21/02 HAEGER, et al.  9350-0193-0 6,538,073 03/25/03 OENBRINK, et al.  212354US0 6,726,999 04/27/04 SCHUELER, et al.  225983US0 10/340,663 01/13/03 US2003/0212174 PEIRICK, et al.	201899US0	6,579,581	06/17/03		BARTZ, et al.
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9350-0192-0 6,391,982 05/21/02 HAEGER, et al.  9350-0193-0 6,538,073 03/25/03 OENBRINK, et al.  212354US0 6,726,999 04/27/04 SCHUELER, et al.  225983US0 10/340,663 01/13/03 US2003/0212174 PEIRICK, et al.	213811US0	6,660,796	12/09/03		-
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Examiner

Date Considered